



Helical Anchors Inc Round Shaft Product Rating Chart					
Helical Anchors Products	Shaft Size (in)	Wall Thickness (in)	Ultimate Torsional Strength (ft-lb)	Installation Torque Factor (k)	Capacity Based on Torsional Strength (lbs)
TS238190	2.375 OD	0.19	5100	9-10	51,000
TS238254	2.375 OD	0.254	7650	9-10	76,500
TS278203	2.875 OD	0.203	6750	8-9	60,750
TS278217	2.875 OD	0.217	11050	8-9	99,450
TS278276	2.875 OD	0.276	13600	8-9	122,400
T5312254	3.50 OD	0.254	15300	6.5-8	114,750
TS312368	3.50 OD	0.368	23000	6.5-8	172,500
TS412250	4.50 OD	0.254	28500	5-6.5	171,000
TS412337	4.50 OD	0.337	45600	5-6.5	273,600
TS500362	5.00 OD	0.362	70300*	4.5-6	386,650
TS512361	5.50 OD	0.361	86200*	4-5.5	430,825
TS700498	7.00 OD	0.490	190000*	3-4.5	760,000

Important Notes:

- When using helical piles for tieback or any battered application with more than 10 degrees from vertical, HAI recommends only using 80%A of the Ultimate Torsional Strength which will only apply to 2-3/8 and 2-7/8 diameter helical piles.
- The ultimate torsional strength values shown above were determined by statistical analysis of laboratory testing results except for values with an asterisk next to them. Values with an asterisk next to them are calculated ratings.

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